- Underground coal gasification
- Implementation of Natural Gas Hydrate Programme (NGHP) for evaluation of hydrate resources and their possible commercial exploitation.
- Encouraging import of gas in the form of Liquefied Natural Gas (LNG) ; and
- Gas sourcing through transnational gas pipelines.

(c) Government is promoting wind generation, solar power, geothermal, tidal and other forms of energy. Research is being conducted to make solar power more cost effective.

Projects affected by shortage of gas

†2247. SHRI MOTILAL VORA:

SHRI SATYAVRAT CHATURVEDI:

\W11 the Minister of POWER be pleased to state:

(a) the names of the projects pending due to shortage of gas;

(b) the steps taken by Government to meet the shortage;

(c) the total volume of gas required for various projects per day; and

(d) the daily power production expected from the pending projects due to shortage of gas?

THE MINISTER OF POWER (SHRI SUSHILKUMAR SHINDE): (a) to (d) The names of the power projects pending due to shortage of gas, totals volume of gas required for various projects per day and the daily power production expected from the pending projects are as under:

SI. No	Name of . Project	Capacity (MW)	Organizatio n/ State	Gas Requirement at 90% PLF (MMSCMD)	Expected daily Power Production (at 90% PLF) (MU)
1	2	3	4	5	6
A.	Pending for Commissioning due		to shortage of Gas		
1	Ratnagiri CCPP Block-3	740	Ratnagiri Pvt. Ltd.	1 Gas Power , Maharas	3.55 15.98
2	Gautami CCPP	464	Gautami Power Ltd., Andhra Pradesh	223	10.02

†Original notice of the question was received in Hindi.

1	2	3	4	5	6
3	Konaseema CCPP	445	EPS Oakwell Power Ltd., Andhra Pradesh	2.14	9.61
	SiB TOTAL: (A)	1649		7.92	35.61
B.	Coimnissioned but unable to generate due to shortage of Gas				7.99
4	Vemagiri	370	Vemagiri Power Gen Ltd.,	1.78 CCPP	4.75
5	Andhra Pradesh				
	Jegurupadu CCPP Extension	220	GVK Industries Ltd., Andhra Pradesh	1.06	
	SUB TOTAL (B)	590		2.84	12.74
	TOTAL (A+B)	2239		10.76	48.35

MW- Mega Watt
MMSCMD-Million Standard Cubic Meter Per Day
MU. Million Units
CCPP- Combined Cycle Power Project
PLF- Plant Load Factor

The steps taken by the Government to meet the shortage of gas are as under:

(i) Intensification of domestic exploration and production (E&P) activities.

(ii) Exploitation of unconventional sources like Coal Bed Methane (CBM).

. (iii) Underground coal gasification. ,

(iv) Implementation of Natural (vas Hydrate Programme (NGHP) for evaluation of hydrate resources and their possible commercial exploitation.

(iv) Encouraging import of gas in the form of Liquefied Natural Gas (LNG); and

(vi) Gas sourcing through transnational gas pipelines.

JBIC's loan for 'Riirial Hydro Electric Project

2248. SHRI LALHMING LIANA: Will the Minister of POWER be pleased to state: .whether the Japan Bank for International Cooperation (JBIC) has given loan to any Central PSU, for construction of Tuirial Hydro Electric Project in Mizoram;

(a) if so, the name of the PSU, the amount of loan given and the rate of interest thereon;

(b) whether the work has been started by the PSU; and